

**ABSTRACT**

An e-mail facsimile machine to implement post-processing operations, such as deleting and forwarding an e-mail facsimile that has been sent, by using a non-standard header. The e-mail facsimile machine comprises: a mail sending unit to convert a scanned document image to an e-mail and to send the e-mail to the e-mail server, a post-processing operation adding unit to add a post-processing operation to the e-mail to be sent, a mail receiving unit to receive an e-mail from the e-mail server, and a post-processing operation implementing unit to check whether there is a post-processing operation designated in the received e-mail and to implement the post-processing operation as designated. Accordingly, the post-processing operation adding unit uses a non-standard header to add the post-processing operation to the e-mail to be sent, and the post-processing operation implementing unit checks whether there is a post-processing designated in the non-standard header of the received e-mail.